38th Annual Meeting, APS Division of Plasma Physics 11-15 November 1996, Denver, CO

Abstract Submittal Form

Deadline: Wednesday, 10 July 1996

☐ Theory

	Category	☐ Theory ☐ Experim
(Refer to the D	OPP Subject Category list on page M19.)	UCRL-JC-124655 Abs
	Characterization of electron targets by x-ray spectroscopy K. Estabrook, R. L. Kauffman, C. L. V. Powers, T. D. Shepard, Livermore National Laboratory 194551 Current designs of targets for ach inertial confinement use gold cavitie gas. To test our understanding designs we have measured the elepositions within gas-filled Au hohld 1.6 mm in diameter. Hydrodynam electron temperature and density differences. Data include x-ray sidopants as well as x-ray pinhole im reveals a difference of up to 1 temperatures between targets have These results will be compared with 1.4 This work was performed und Department of Energy by the I Laboratory under contract No. W-7	temperature in hohlraum * C.A. Back, S. H. Glenzer, D. L. Landen, B. J. MacGowan, and G. F. Stone, Lawrence P. O. Box 808, Livermore, CA dieving fusion by indirect drive les (hohlraums) that are filled with of the bulk energetics in such ectron temperature at different raums that are 2.75 mm long and dic simulations indicate that the profiles can have significant expectra (2 - 4 Å) from mid-Z ages of the targets. The analysis expectra (2 - 4 Å) from gas fills. The calculations. The definition of the U.S. Cawrence Livermore National
☐ Prefer Poster Session ☐ Prefer Oral Session ☐ Place in the following grouping: (Specify the order)		Submitted by:
		Signature of APS Member
☐ Special Audiovisual Requests (e.g., VCR/monitor, movie projector)		Member Name Typewritten
		Affiliation
	mental session, additional subject categories)	Phone/Fax
(e.g., Supple		

Attn: Meetings Department, DPP96 The American Physical Society One Physics Ellipse College Park, MD 20740-3844 phone: (301) 209-3286